

### Quality Code Matrix for Rev. E

Quality Code	Quality Code Title	Computer Hardware	Computer Software	Electrical Fab	Mech Fab	Cables, Conductors	Explosive, Radioactive	Poison Gas	Pressurized Gas	Hazardous Material	Non-hazardous Material	Photographic equipment
QC01-N	Material Identification, Damage & Count			X	X	X	X	X		X	X	
QC02-N	Certificate of Compliance (C of C)			X	X	X	X	X	X	X	X	
QC03	Certification of Compliance for Spare Parts											
QC04	Certification to Customers Specification Requirements	X	X									X
QC05	Supplier Designed Drawing Request (For Commercial Hardware and COTS Hardware Only)											
QC06-N	Certification of Compliance (C of C) for Raw Materials/Specific Lots				X					X	X	
QC06a	Traceability - Raw Materials				X		X	X	X	X	X	
QC07	Electrical Wire and Cable Test Report			X		X						
QC08-N	Certificate of Compliance (C of C) - Calibration											
QC09-N	Pressure Vessel											
QC10	Flight O-Ring Requirements											
QC11-N	High Strength Fastener Requirements											
QC12-N	Limited Life and Age Controlled (Shelf Life) Items						X	X	X	X	X	
QC13	Evidence of Functional Test		X	X	X							
QC14-N	Nondestructive Inspection (NDI) / Nondestructive Test (NDT) Certification				X							
QC14a	Buyers Review of Radiographic Film (NDT) Reports											
QC15-N	Critical Process Certification											
QC15a	Use of Certified Critical Processor From JPL's ASL											
QC16	Process Procedures (for non ISO system suppliers)											
QC17	Supplier (Sub-Tier) Process Controls											
QC18-N	Flow Down Requirements											
QC19-N	Change Control Authority											
QC20-N	First Article Inspection			X	X							
QC20a	Delivery of First Article Inspection Records				X							
QC20b	Retention of First Article											
QC20c	Delivery of First Article											
QC20d	Source Inspection of First Article											

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QC21	General Inspection of Received Sub-Components and Sub-Assemblies											
QC21a	Inspection and Test General Clause			X	X	X					X	
QC22	Objective Evidence of Dimensional Inspection				X							
QC23	Acceptance Test Procedure Delivery for Approval		X	X		X						
QC24	Qualification Test Procedure	X	X			X						
QC25	Metals Control; Sheet, Tube, Rolled, Wire or Other Fabrication				X		X	X	X	X	X	
QC25a	Weld Filler Metal Control				X							
QC26-N	Shipping Documents	X		X	X	X	X	X	X	X	X	
QC27	Software Quality Assurance		X									
QC28-N	Limited Operating Life Items						X	X	X	X	X	
QC29-N	Quality Records Retention			X	X	X						
QC30-N	Configuration Management System (less than ISO 10007)			X	X	X				X		
QC30a	Configuration Control, Pre-Submit Requirements				X							
QC31-N	EEE Single Lot/Date Code			X								
QC31a-N	EEE Parts Date of Manufacture			X								
QC32	Acceptance Data Package		X	X	X	X						
QC33	Acceptance Data Pack - Critical Hardware		X	X	X							
QC34-N	Packaging Requirements			X	X							
QC35-N	Electrostatic Discharge (ESD) Protection Program and Packaging			X								
QC36-N	Solvent Containers									X		
QC37	Manufacturing Planning			X	X	X						
QC38	Pyrotechnic Device Manufacturing Controls						X			X		
QC39-N	Nonconformance Reporting			X	X	X	X					
QC40	Material/Part Marking Required for each item			X	X							
QC41	Material Review Board (MRB) Authority - Granted											
QC42	Corrective Action			X	X	X						
QC43	Chemicals and Material Safety Data Sheets (MSDS)						X	X	X	X	X	
QC44	Use of JPL Approved Supplier List (ASL)						X	X	X	X		

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QC45	JPL Quality Assurance Site Representative Assignment											
QC46	JPL Source Inspection											
QC47-N	Government Source Inspection (GSI)											
QC47a	JPL Mandatory Inspection Points											
QC48	JPL Test Witness Source Inspection is Required											
QC49-N	Calibration System Requirement (for non ISO compliant or AS9100 certified suppliers)			X	X							
QC50	Organizational Inspection Requirements (non flight or non-critical GSE hardware)			X	X							
QC51	NHB 5300.4 (Current Rev.) Inspection System			X	X							
QC52-N	Quality Management System			X	X							
QC53	Inspection System Plan			X	X							
QC54	Organization's General Quality Assurance System Requirements for Maintenance				X							
QC55	Level 1 Quality System: Quality System Requirements for Organizations who Design and Build Flight Hardware and Ground Support Equipment to Procurement Specifications											
QC56	Level 2 Quality System: Quality System Requirements for Organizations who Design and Build Flight Hardware and Type 1 Ground Support Equipment to Procurement Specifications											
QC57	Level 3 Quality System: Quality System Requirements for Organizations who Modify Flight Hardware and Ground Support Equipment to Procurement Specifications											
QC58	Level 4 Quality System: Quality System Requirements for Organizations who Provide Commercial Products											
QC59	Level 5 Quality System: Quality System Requirements for Organizations who Provide Commercial Off-The-Shelf Products											

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QC60	Submission and Approval of Flowchart(s)											
QC61	Oxygen Compatibility Testing											
QC62	Manufacturer's Commercial and Government Entity (CAGE) Code			X	X	X	X	X	X	X		
QC63-N	Right of Access			X	X	X	X	X	X	X		
QC64-N	GIDEP Alert and Problem Advisories			X	X	X	X					
QC65-N	Special Process Certification			X			X			X		
QC66	Handling of Beryllium				X					X		
QC67	Organization's Responsibility for Supplying Electrostatic Discharge (ESD) Packaging and Personal Protective Clean Room Devices	X		X								
QC68	Workmanship	X		X		X						
QC69	Packaging, Handling & Labeling	X		X			X	X	X	X		